Soil Taxonomic Classification (Q)

White Pine County, Nevada, East Part

[An asterisk following the soil name indicates a taxadjunct to the series]

Soil name	Family or higher taxonomic classification
Abalan	Loamy-skeletal, mixed, superactive, mesic, shallow Xeric Haplargids
Adobe	Loamy-skeletal, carbonatic Lithic Calcicryolls
Amtoft	Loamy-skeletal, carbonatic, mesic Lithic Xeric Haplocalcids
Armespan	Loamy-skeletal, mixed, superactive, mesic Durinodic Xeric Haplocalcids
Atlanta	Coarse-loamy, mixed, superactive, mesic Xeric Haplocalcids
Atlow	Loamy-skeletal, mixed, superactive, mesic Lithic Xeric Haplargids
Automal	Loamy-skeletal, mixed, superactive, mesic Durinodic Xeric Haplocalcids
Baberwit	Clayey-skeletal, carbonatic, mesic Typic Natrargids
Badena	Loamy-skeletal, mixed, superactive, mesic Aridic Argixerolls
Badhap	Loamy-skeletal, mixed, superactive Pachic Haplocryolls
Basinpeak	Loamy-skeletal, mixed, superactive Xeric Haplocryolls
Bellehelen	Loamy-skeletal, mixed, superactive, mesic Lithic Argixerolls
Bellenmine	Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls
Benin	Fine, smectitic, calcareous, mesic Vertic Torriorthents
Betra	Clayey-skeletal, smectitic, frigid Paleargidic Durixerolls
Bienfait	Sandy, mixed, mesic Sodic Haplocambids
Bigspring	Fine-loamy, mixed, superactive, mesic Aridic Calcixerolls
Biji	Fine, carbonatic, mesic Vertic Haplocalcids
Birchcreek	Clayey-skeletal, smectitic, frigid Typic Argixerolls
Bluemass	Loamy, mixed, superactive, mesic, shallow Argidic Durixerolls
Borvant	Loamy-skeletal, carbonatic, mesic, shallow Petrocalcic Palexerolls
Broyles	Coarse-loamy, mixed, superactive, mesic Durinodic Haplocambids
Buzztail	Loamy-skeletal, carbonatic, frigid Lithic Haploxerolls
Cavehill	Loamy-skeletal, carbonatic, frigid Typic Calcixerolls
Chainlink	Loamy, mixed, superactive, mesic, shallow Cambidic Durixerolls
Checkett	Loamy-skeletal, mixed, superactive, mesic Lithic Xeric Haplargids
Chen	Clayey-skeletal, smectitic, frigid Lithic Argixerolls
Chuffa	Fine-silty, mixed, superactive, mesic Xeric Haplocambids
Closkey	Loamy-skeletal, mixed, superactive, frigid Aridic Argixerolls
Cowgil	Loamy-skeletal, mixed, superactive, mesic Xeric Haplargids
Cropper	Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls
Dakent	Loamy-skeletal, mixed, superactive, mesic Durinodic Xeric Haplocalcids
Datemark	Loamy-skeletal, mixed, active Pachic Haplocryolls
Duffer	Fine-silty, carbonatic, mesic Aquic Haplocalcids
Eaglepass	Loamy-skeletal, carbonatic, mesic Lithic Xeric Torriorthents
Eastmore	Loamy-skeletal, mixed, superactive, mesic, shallow Xereptic Haplodurids
Eastwell	Loamy-skeletal, mixed, superactive, mesic, shallow Xereptic Haplodurids
Eenreed	Loamy-skeletal, mixed, superactive, mesic Aridic Calcixerolls
Eoj	Fine, smectitic, frigid Typic Palexerolls
Escalante	Coarse-loamy, mixed, superactive, mesic Xeric Haplocalcids
Ewelac	Fine, smectitic, mesic Vertic Haplocambids
Fax	Loamy-skeletal, mixed, superactive, mesic Argidic Durixerolls
Fluvaquentic Endoaquolls	Fine-silty over sandy or sandy-skeletal, mixed, superactive, frigid Fluvaquentic Endoaquolls
Flygare	Loamy-skeletal, mixed, superactive Pachic Palecryolls
Garnel	Loamy-skeletal, mixed, superactive, frigid, shallow Aridic Argixerolls
Graley	Clayey-skeletal, smectitic, frigid Lithic Argixerolls
Gravier	Loamy-skeletal, mixed, superactive, mesic Sodic Haplocalcids
Greatday	Fine-loamy, mixed, superactive, mesic Petronodic Xeric Haplocalcids
Gremmers	Loamy, mixed, active, mesic, shallow Xereptic Haplodurids

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Soil name	Family or higher taxonomic classification
Grifleys	Loamy-skeletal, mixed, superactive, mesic Xeric Calciargids
Grink	Loamy-skeletal, mixed, superactive, frigid Lithic Haploxerolls
Grosschat	Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls
Growset	Loamy, mixed, superactive, frigid, shallow Typic Haploxerolls
Grube	Loamy-skeletal, mixed, superactive, frigid Calciargidic Argixerolls
Halacan	Loamy-skeletal, carbonatic Lithic Cryrendolls
Hardol	Loamy-skeletal, carbonatic Pachic Calcicryolls
Hardzem	Loamy-skeletal, mixed, superactive Xeric Haplocryalfs
Haunchee	Loamy-skeletal, carbonatic Lithic Cryrendolls
Heusser	Clayey-skeletal, smectitic, frigid Aridic Palexerolls
Highup	Loamy-skeletal, carbonatic, frigid Typic Calcixerolls
Hiko Peak	Loamy-skeletal, mixed, active, mesic Xeric Haplocalcids
Hiko Springs	Coarse-loamy, mixed, superactive, mesic Typic Haplocalcids
Hogum	Fine-loamy, mixed, superactive, calcareous, mesic Typic Endoaquepts
Hopeka	Loamy-skeletal, carbonatic, frigid Lithic Xeric Torriorthents
Huilepass	Loamy-skeletal, mixed, superactive, mesic Xeric Haplargids
Hyzen	Loamy-skeletal, carbonatic, frigid Lithic Haploxerolls
Izamatch	Sandy-skeletal, mixed, mesic Typic Torriorthents
Izar	Loamy-skeletal, mixed, superactive, calcareous, mesic Lithic Xeric Torriorthents
Jericho	Loamy-skeletal, mixed, superactive, mesic, shallow Xeric Haplodurids
Jonlake	Loamy-skeletal, mixed, superactive Lithic Haplocryolls
Jurado	Loamy-skeletal, mixed, superactive, mesic Typic Haplargids
Katelana	Fine-silty, carbonatic, mesic Typic Torriorthents
Kawich	Mixed, mesic Typic Torripsamments
Kious	Loamy-skeletal, mixed, superactive, shallow Pachic Haplocryolls
Kolda	Fine, smectitic, calcareous, mesic Typic Endoaquolls
Kolda*	Fine, smectitic, calcareous, frigid Typic Endoaquolls
Kunzler	Coarse-loamy, mixed, superactive, mesic Durinodic Xeric Haplocalcids
Kyler	Loamy-skeletal, carbonatic, mesic Lithic Xeric Torriorthents
Linoyer	Coarse-silty, mixed, superactive, calcareous, mesic Xeric Torriorthents
Littlespring	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Haplocalcids
Lodar	Loamy-skeletal, carbonatic, mesic Lithic Calcixerolls
Logan	Fine-silty, mixed, superactive, mesic Typic Calciaquolls
Logring	Loamy-skeletal, carbonatic, mesic Lithic Xeric Torriorthents
Loray	Sandy-skeletal, mixed, mesic Typic Haplocalcids
Lundy	Loamy-skeletal, carbonatic, frigid Lithic Calcixerolls
McIvey	Clayey-skeletal, smectitic, frigid Typic Argixerolls
Medburn	Coarse-loamy, mixed, superactive, calcareous, mesic Xeric Torriorthents
Medlaval	Fine, smectitic, mesic Vertic Calcixerolls
Millan	Loamy-skeletal, mixed, superactive, frigid Aridic Argixerolls
Monarch	Loamy-skeletal, carbonatic, frigid Lithic Calcixerolls
Muiral	Loamy-skeletal, mixed, superactive Xeric Eutrocryepts
Ocala	Fine-silty, mixed, superactive, calcareous, mesic Duric Halaquepts
Onkeyo	Loamy-skeletal, mixed, active, frigid Lithic Calcixerolls
Osditch	Loamy-skeletal, mixed, superactive, frigid Lamellic Haploxerepts
Palinor	Loamy-skeletal, carbonatic, mesic, shallow Xeric Haplodurids
Pengpong	Coarse-loamy, mixed, superactive, calcareous, mesic Xeric Torriorthents
Pern	Fine-silty, mixed, superactive, mesic Aridic Calcixerolls
Piar	Loamy-skeletal, carbonatic Xeric Eutrocryepts
Piltdown	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Torriorthents

Soil Taxonomic Classification (Q)

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Soil name	Family or higher taxonomic classification
Pinwheeler	Loamy-skeletal, mixed, superactive, frigid, shallow Aridic Argixerolls
Pioche	Clayey-skeletal, smectitic, mesic Lithic Argixerolls
Poobaa	Coarse-loamy, mixed, superactive, mesic Xeric Calciargids
Pookaloo	Loamy-skeletal, carbonatic, mesic Lithic Xeric Haplocalcids
Pyrat	Loamy-skeletal, mixed, superactive, mesic Durinodic Xeric Haplocalcids
Ragamuffin	Sandy-skeletal, mixed Typic Cryorthents
Ragnel	Sandy-skeletal, mixed, mesic Xeric Haplocambids
Raph	Fine-loamy, mixed, superactive, mesic Sodic Haplocambids
Ravendog	Coarse-loamy, mixed, superactive, mesic Torrifluventic Haploxerolls
Rouette	Loamy, mixed, superactive, mesic, shallow Xereptic Haplodurids
Scalade	Loamy, mixed, superactive, mesic, shallow Xereptic Haplodurids
Segura	Loamy, mixed, superactive, frigid Lithic Argixerolls
Shabliss	Loamy, mixed, superactive, mesic, shallow Xereptic Haplodurids
Shree	Loamy-skeletal, mixed, superactive, mesic Aridic Argixerolls
Slaw	Fine-silty, mixed, superactive, calcareous, mesic Typic Torrifluvents
Snapeed	Loamy-skeletal, mixed, superactive, frigid Aridic Haploxerolls
Sondoa	Fine-silty, mixed, superactive, calcareous, mesic Typic Torriorthents
Springbar	Sandy, mixed, mesic Xeric Haplocambids
Stewval	Loamy-skeletal, mixed, superactive, mesic Lithic Xeric Haplargids
Summermute	Loamy-skeletal, carbonatic, mesic Durinodic Haplocalcids
Sycomat	Coarse-loamy, mixed, active, mesic Durinodic Haplocalcids
Tarnach	Loamy-skeletal, mixed, active, mesic Lithic Xeric Haplocalcids
Taylorsflat	Fine-loamy, mixed, superactive, mesic Xeric Haplocalcids
Tecomar	Loamy-skeletal, carbonatic, mesic Lithic Xeric Haplocalcids
Threedogs	Fine-loamy, mixed, superactive, mesic Typic Calciargids
Timpie	Fine-silty, mixed, superactive, calcareous, mesic Typic Torriorthents
Toano	Coarse-silty, mixed, superactive, calcareous, mesic Typic Torriorthents
Toopits	Fine-loamy, mixed, superactive, calcareous, mesic Xeric Torriorthents
Topeki	Loamy-skeletal, mixed, superactive Lithic Haplocryolls
Tractuff	Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls
Tulase	Coarse-silty, mixed, superactive, calcareous, mesic Duric Torriorthents
Ultramont	Coarse-loamy, mixed, superactive, mesic Durinodic Xeric Haplocambids
Ungene	Sandy-skeletal, mixed, mesic Xeric Haplocalcids
Urmafot	Loamy, mixed, superactive, mesic, shallow Haploduridic Durixerolls
Ursine	Loamy-skeletal, carbonatic, mesic, shallow Xeric Haplodurids
Vyckyl	Loamy-skeletal, mixed, superactive, frigid, shallow Aridic Haploxerolls
Wala	Loamy-skeletal, mixed, superactive, calcareous, mesic Lithic Xeric Torriorthents
Wardbay	Loamy-skeletal, carbonatic, frigid Pachic Calcixerolls
Willynat	Loamy-skeletal, mixed, superactive, frigid Pachic Haploxerolls
Wintermute	Loamy-skeletal, mixed, superactive, mesic Durinodic Haplocalcids
Xeric Torriorthents	Mesic Xeric Torriorthents
Xine	Loamy-skeletal, mixed, superactive, frigid Aridic Calcixerolls
Yelbrick	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Sodic Haplocalcids
Yody	Fine-loamy, mixed, superactive, mesic Haploxeralfic Argidurids
Zafod	Loamy-skeletal, mixed, active, mesic Xereptic Haplodurids
Zimbob	Loamy-skeletal, carbonatic, mesic Lithic Xeric Torriorthents

Soil Taxonomic Classification (Q)

The system of soil classification used by the National Cooperative Soil Survey has six categories (Soil Survey Staff, 1998 and 1999). Beginning with the broadest, these categories are the order, suborder, great group, subgroup, family, and series. Classification is based on soil properties observed in the field or inferred from those observations or from laboratory measurements. This table shows the classification of the soils in the survey area. The categories are defined in the following paragraphs.

ORDER. Twelve soil orders are recognized. The differences among orders reflect the dominant soil-forming processes and the degree of soil formation. Each order is identified by a word ending in sol. An example is Alfisols.

SUBORDER. Each order is divided into suborders primarily on the basis of properties that influence soil genesis and are important to plant growth or properties that reflect the most important variables within the orders. The last syllable in the name of a suborder indicates the order. An example is Udalfs (Ud, meaning humid, plus alfs, from Alfisols).

GREAT GROUP. Each suborder is divided into great groups on the basis of close similarities in kind, arrangement, and degree of development of pedogenic horizons; soil moisture and temperature regimes; type of saturation; and base status. Each great group is identified by the name of a suborder and by a prefix that indicates a property of the soil. An example is Hapludalfs (Hapl, meaning minimal horizonation, plus udalfs, the suborder of the Alfisols that has a udic moisture regime).

SUBGROUP. Each great group has a typic subgroup. Other subgroups are intergrades or extragrades. The typic subgroup is the central concept of the great group; it is not necessarily the most extensive. Intergrades are transitions to other orders, suborders, or great groups. Extragrades have some properties that are not representative of the great group but do not indicate transitions to any other taxonomic class. Each subgroup is identified by one or more adjectives preceding the name of the great group. The adjective Typic identifies the subgroup that typifies the great group. An example is Typic Hapludalfs.

FAMILY. Families are established within a subgroup on the basis of physical and chemical properties and other characteristics that affect management. Generally, the properties are those of horizons below plow depth where there is much biological activity. Among the properties and characteristics considered are particle-size class, mineralogy class, cation-exchange activity class, soil temperature regime, soil depth, and reaction class. A family name consists of the name of a subgroup preceded by terms that indicate soil properties. An example is fine-loamy, mixed, active, mesic Typic Hapludalfs.

SERIES. The series consists of soils within a family that have horizons similar in color, texture, structure, reaction, consistence, mineral and chemical composition, and arrangement in the profile.